



Rhode Island Department of Transportation

REMOVAL OF THE OLD JAMESTOWN BRIDGE

**Jamestown and North Kingstown, Rhode Island
West Passage, Narragansett Bay**

The Old Jamestown Bridge No. 400

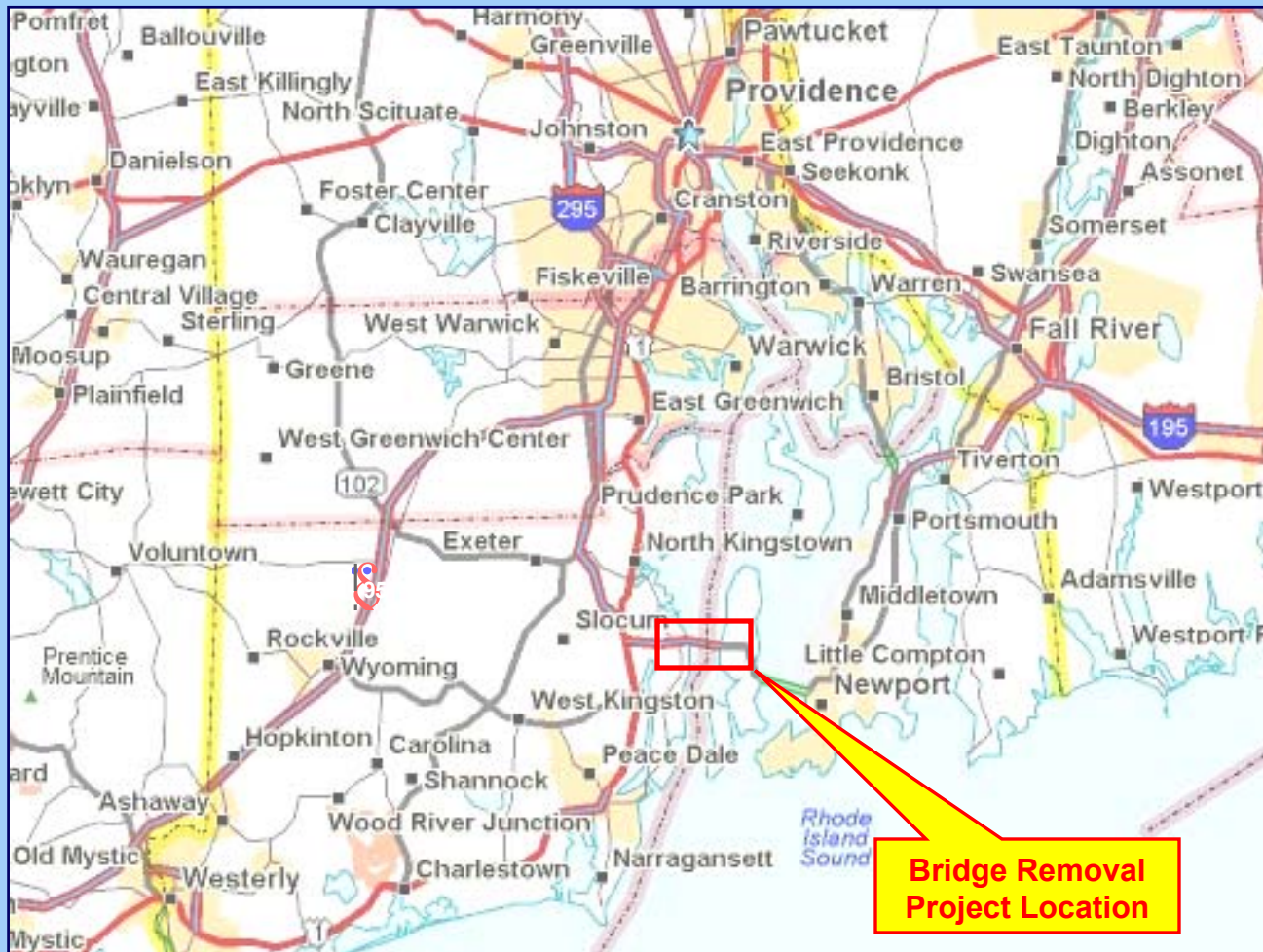


*Removal of the
Old Jamestown Bridge*



**State of Rhode Island
Department of Transportation**

Project Location



*Removal of the
Old Jamestown Bridge*



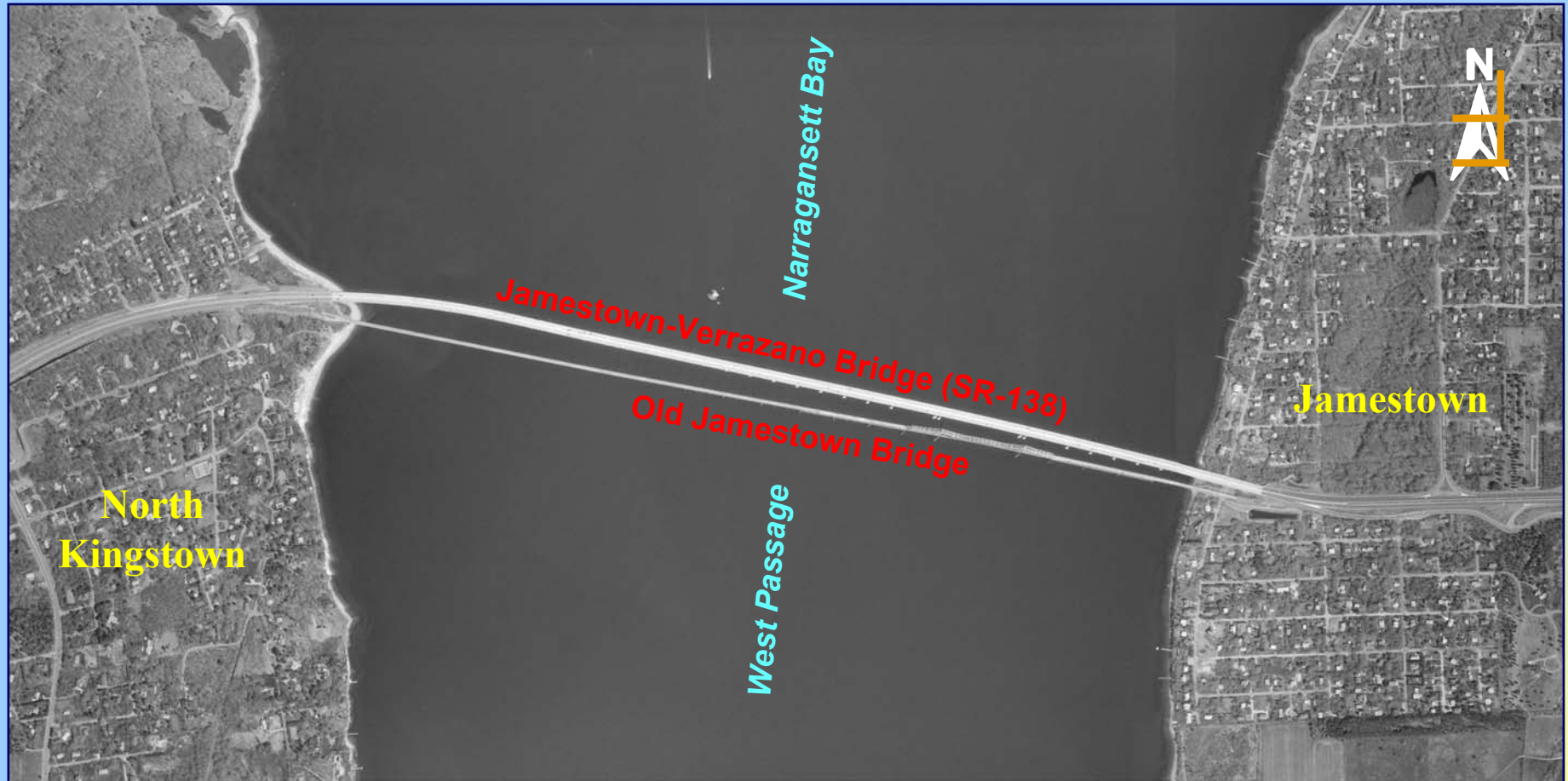
**State of Rhode Island
Department of Transportation**

Old Jamestown Bridge No. 400

- Spans the West Passage of Narragansett Bay between the towns of North Kingstown and Jamestown
- Bridge completed in 1940, remained in service until 1992
- Length is approximately 7,000 feet between abutments
- Replacement structure (Jamestown-Verrazano Bridge) constructed directly north of old bridge



Project Aerial View



*Removal of the
Old Jamestown Bridge*



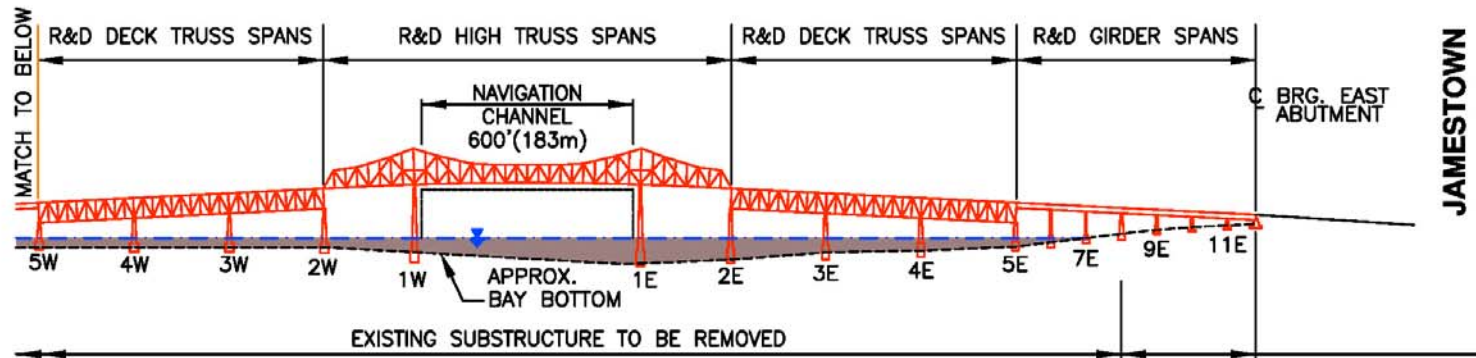
**State of Rhode Island
Department of Transportation**

Bridge Removal Project

- Easterly $\frac{3}{4}$ of bridge superstructure and portions of the substructure to be demolished and removed, from Pier 28W to the East Abutment (Jamestown)
- Approximately 6,000 tons of structural steel and 25,000 cubic yards of concrete debris will be generated
- Structural steel to be removed and disposed/salvaged
- Concrete debris from bridge deck and substructure units to be used to create marine artificial reefs in offshore waters at designated location(s)
- Demolition constraints include the following:
 - avoidance of impacts to the adjacent Jamestown-Verrazano Bridge
 - minimization of navigational channel closure and closures of the Jamestown-Verrazano Bridge
 - minimization of disturbance to the marine environment

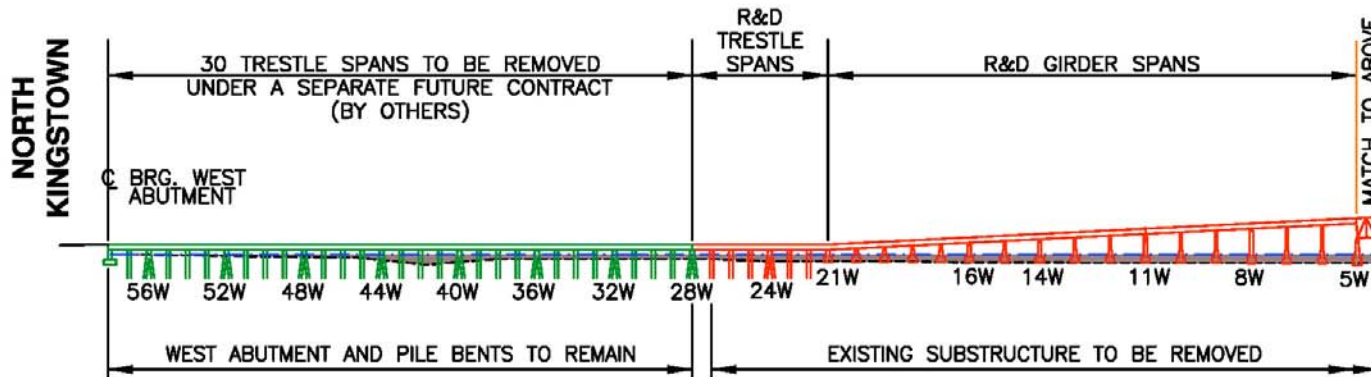


Bridge Demolition - Elevation View



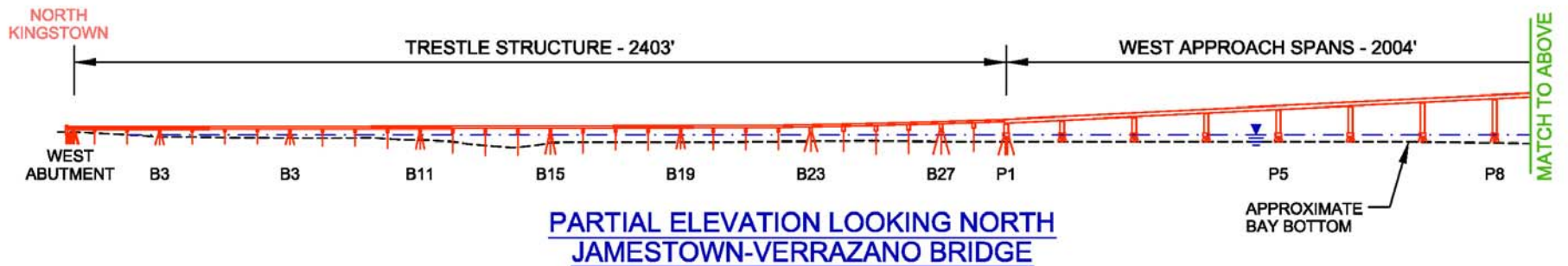
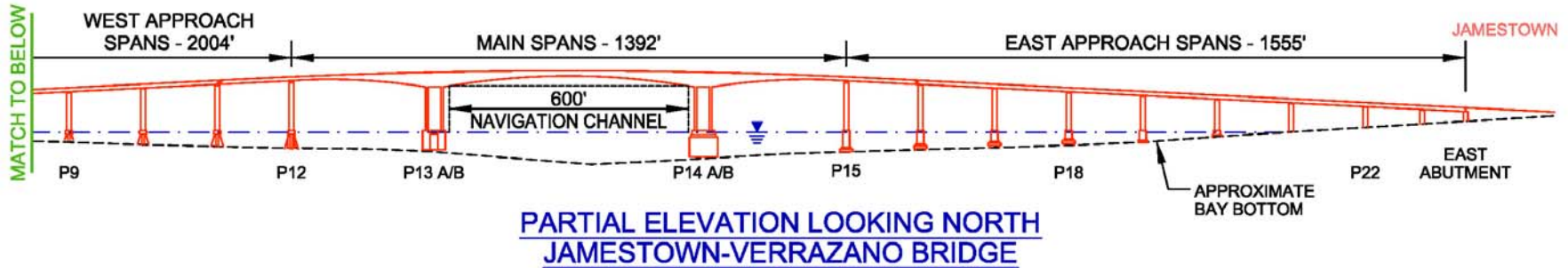
PARTIAL ELEVATION – EXISTING BRIDGE LOOKING NORTH

PIERS 8E, 9E TO BE REMOVED TO EXIST. GRADE
PIERS 10E, 11E AND EAST ABUTMENT TO BE REMOVED BELOW EXISTING GRADE



PARTIAL ELEVATION – EXISTING BRIDGE LOOKING NORTH

Jamestown-Verrazano Bridge - Elevation View



Artificial Reefs

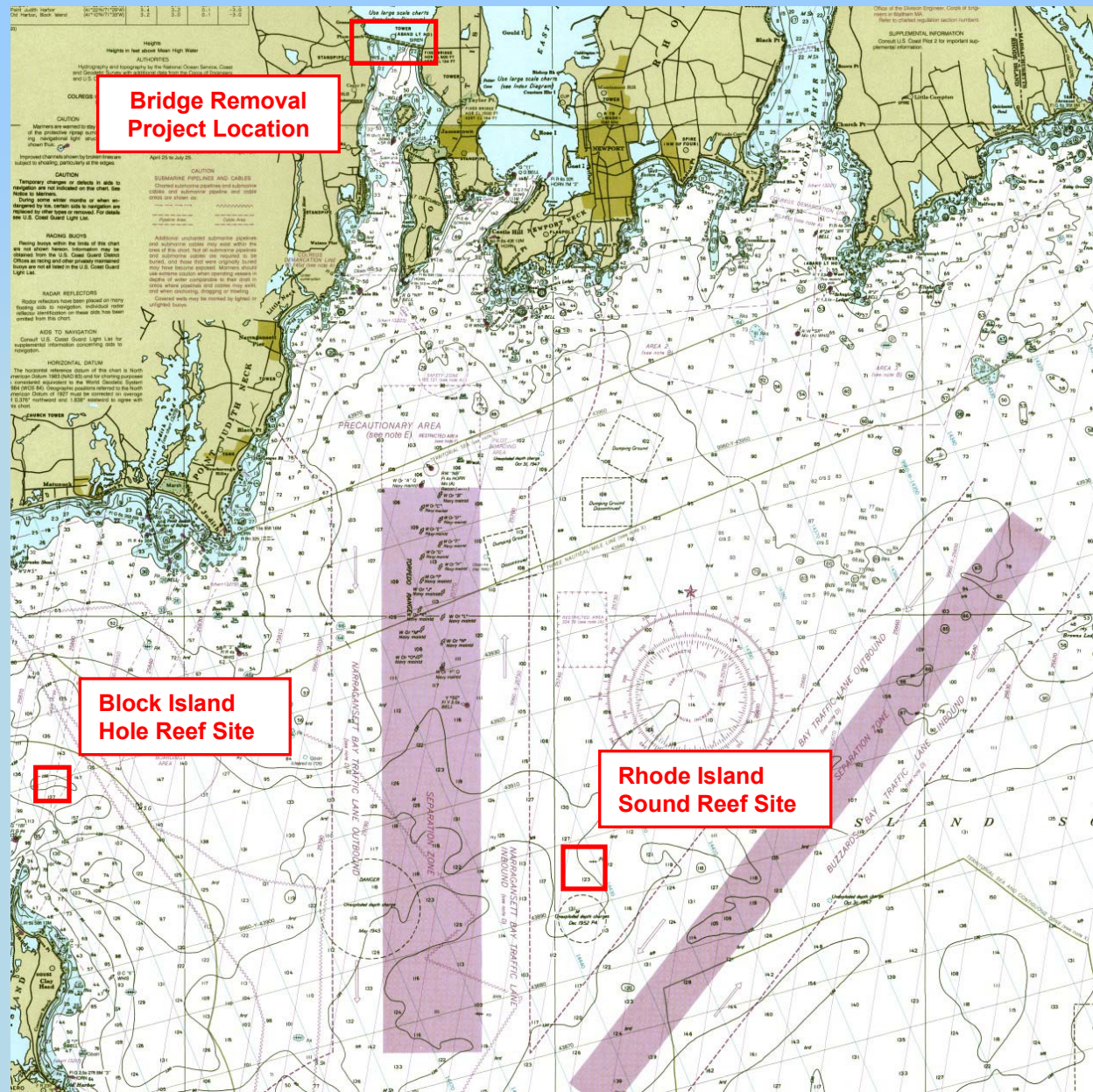
Concrete bridge debris to be deployed via barge to two offshore locations:

1. Rhode Island Sound Site

Approximately 12 miles southeast of Newport

2. Block Island Hole Site

Approximately 3.5 miles northeast of Sand Point (Block Island)





**For additional information concerning this project, please contact
Mr. Kazem Farhoumand, Deputy Chief Engineer at (401) 222-2023
Ext. 4020.**